## Radiogram No. 1538a

Form 24 for July 19 and 20, 2001 (updated)

21:05-21:15         Morning inspection           21:15-21:45         Personal hygiene (post-sleep)           21:45-22:35         BREAKFAST           22:35-22:50         Daily planning conference           22:50-23:15         FE-1         Work prep           23:20-23:20         CDR, FE-2         Work prep           23:20-00:00         CDR         INTERACTIONS: data collection           23:25-23:30         FE-1         ADVASC powerdown           23:30-23:45         FE-1         Review of ADVASC decabling procedure           23:45-00:05         FE-1         ADVASC decabling           00:00-00:40         CDR         Maintenance of ??? on MCC go           00:05-01:05         FE-2         Physical exercise (TVIS)           00:05-01:35         FE-1         EVA dry run           01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-01:40         FE-1         A/L IV hatch closing           01:40-02:55         FE-2         Replacement of closeout panel in A/L           01:45-03:05         FE-1         NODE1 STBD hatch opening           01:45-03:05         CDR         Transfer ??? 15 to SHUTTLE           02:05-02:35 <th>Tradiogram No</th> <th></th> <th>1 01111 24 101 0dily 13 dilid 20, 2001 (dipudica)</th>	Tradiogram No		1 01111 24 101 0dily 13 dilid 20, 2001 (dipudica)
21:15-21:45         Personal hygiene (post-sleep)           21:45-22:35         BREAKFAST           22:35-22:50         Daily planning conference           22:50-23:15         FE-1           Work prep           22:50-23:25         FE-1           AL hatch opening           23:20-00:00         CDR           ANDASC powerdown           23:30-23:45         FE-1           Review of ADVASC decabling procedure           23:45-00:05         FE-1           ADVASC decabling           00:00-00:40         CDR           Maintenance of ? ?? on MCC go           00:05-01:05         FE-2           Physical exercise (TVIS)           00:05-01:35         FE-1           EVA dry run           01:00-01:25         FE-2           LAB payload status monitoring           01:00-02:00         CDR           01:35-02:55         FE-2           Replacement of closeout panel in A/L           01:35-02:55         FE-2           Replacement of closeout panel in A/L           01:35-03:40         FE-1           NODE1 STBD hatch opening           01:45-03:05         FE-1           Physical exercise (RED) <td< td=""><td>GMT</td><td>Crew</td><td>Activity / ODF or R/G</td></td<>	GMT	Crew	Activity / ODF or R/G
21:45-22:35   BREAKFAST			
22:35–22:50         Daily planning conference           22:50–23:15         FE-1         Work prep           22:50–23:25         FE-1         Work prep           23:20–23:25         FE-1         A/L hatch opening           23:20–20:00         CDR         INTERACTIONS: data collection           23:25–23:30         FE-1         ADVASC powerdown           23:35–20:05         FE-1         Review of ADVASC decabling procedure           23:45–00:05         FE-1         ADVASC decabling           00:00–00:40         CDR         Maintenance of ? ?? on MCC go           00:05–01:05         FE-2         Physical exercise (TVIS)           00:05–01:35         FE-1         EVA dry run           01:00–01:25         FE-2         LAB payload status monitoring           01:00–01:25         FE-2         LAB payload status monitoring           01:00–01:25         FE-2         Replacement of closeout panel in A/L           01:35–01:20         CDR         Physical exercise (TVIS+cycle)           01:35–01:20         FE-1         A/L IV hatch closing           01:40–01:45         FE-1         NODE1 STBD hatch opening           01:45–03:05         FE-1         Physical exercise (RED)           02:35–03:05         CDR         77			
22:50-23:15         FE-1         Work prep           22:50-23:20         CDR, FE-2         Work prep           23:20-23:25         FE-1         AVL hatch opening           23:20-00:00         CDR         INTERACTIONS: data collection           23:25-23:30         FE-1         ADVASC powerdown           23:35-23:30         FE-1         Review of ADVASC decabling procedure           23:45-00:05         FE-1         ADVASC decabling           00:00-00:40         CDR         Maintenance of ??? on MCC go           00:05-01:05         FE-2         Physical exercise (TVIS)           00:05-01:35         FE-1         EVA dry run           01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-01:40         FE-1         A/L IV hatch closing           01:35-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:05-03:05         CDR         ??? 15: closeout           02:05-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:35-04:05         CREW GONFERENCE			
22:50-23:20         CDR, FE-2         Work prep           23:20-23:25         FE-1         A/L hatch opening           23:20-23:30         FE-1         A/L hatch opening           23:25-23:30         FE-1         Review of ADVASC decabling procedure           23:30-23:45         FE-1         Review of ADVASC decabling procedure           23:45-00:05         FE-1         ADVASC decabling           00:00-00:40         CDR         Maintenance of ??? on MCC go           00:05-01:35         FE-1         EVA dry run           01:00-01:25         FE-2         Physical exercise (TVIS)           01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-03:50         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         A/L IV hatch closing           01:40-03:05         FE-1         Physical exercise (RED)           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:35-04:05         CREW CONFERENCE           03:35-04:05         C	22:35–22:50		Daily planning conference
23:20-23:25         FE-1         A/L hatch opening           23:20-00:00         CDR         INTERACTIONS: data collection           23:25-23:30         FE-1         ADVASC powerdown           23:30-23:45         FE-1         Review of ADVASC decabling procedure           23:45-00:05         FE-1         ADVASC decabling           00:00-00:40         CDR         Maintenance of ??? on MCC go           00:05-01:35         FE-2         Physical exercise (TVIS)           00:05-01:35         FE-1         EVA dry run           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:00-02:05         FE-2         LAB payload status monitoring           01:00-02:05         FE-2         LAB payload status monitoring           01:00-02:05         FE-2         Replacement of closeout panel in A/L           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:40-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         Transfer ??? 15 to SHUTTLE           03:35-04:05         CDR         Transfer ??? 15 to SHUTTLE	22:50–23:15	FE-1	Work prep
23:20-00:00         CDR         INTERACTIONS: data collection           23:25-23:30         FE-1         ADVASC powerdown           23:30-23:45         FE-1         Review of ADVASC decabling procedure           23:45-00:05         FE-1         Review of ADVASC decabling procedure           00:00-00:40         CDR         Maintenance of ??? on MCC go           00:05-01:35         FE-2         Physical exercise (TVIS)           00:05-01:35         FE-1         EVA dry run           01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:36-03:05         CDR         ?? 15: closeout           03:05-03:35         CREW CONFERENCE           03:05-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-04:10         FE-1         MEAL/ IMAX filming ops			Work prep
23:25-23:30         FE-1         ADVASC powerdown           23:30-23:45         FE-1         Review of ADVASC decabling procedure           23:45-00:05         FE-1         ADVASC decabling           00:00-00:40         CDR         Maintenance of ??? on MCC go           00:05-01:35         FE-2         Physical exercise (TVIS)           00:05-01:25         FE-2         LAB payload status monitoring           01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-03:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:40-03:35         CDR         ??? 15: closeout           02:35-03:05         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:35-04:05         CREW CONFERENCE           03:35-04:05         CREW CONFERENCE           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:05-04:10         FE-1         <	23:20–23:25	FE-1	A/L hatch opening
23:30–23:45         FE-1         Review of ADVASC decabling procedure           23:45–00:05         FE-1         ADVASC decabling           00:00–00:40         CDR         Maintenance of ??? on MCC go           00:05–01:35         FE-2         Physical exercise (TVIS)           00:05–01:35         FE-1         EVA dry run           01:00–01:25         FE-2         LAB payload status monitoring           01:00–02:00         CDR         Physical exercise (TVIS+cycle)           01:35–01:40         FE-1         A/L IV hatch closing           01:40–01:45         FE-1         NODE1 STBD hatch opening           01:45–03:05         FE-1         Physical exercise (RED)           02:05–02:35         CDR         ??? 15: closeout           02:05–03:35         CDR         Transfer ??? 15 to SHUTTLE           03:05–03:35         CDR         Transfer ??? 15 to SHUTTLE           03:35–04:05         CREW PHOTO           04:05–05:20         CDR, FE-2         MEAL           04:05–06:20         CREW PHOTO           04:05–06:20         Review of EVA procedure           06:20–06:25         FE-1         MEAL/ IMAX filming ops           06:20–06:20         Review of EVA procedure           06:25–07:20         FE-2	23:20-00:00	CDR	INTERACTIONS: data collection
23:45-00:05         FE-1         ADVASC decabling           00:00-00:40         CDR         Maintenance of ??? on MCC go           00:05-01:35         FE-2         Physical exercise (TVIS)           00:05-01:35         FE-1         EVA dry run           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         LAB payload status monitoring           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:05-02:35         CDR         Transfer ??? 15 to SHUTTLE           03:35-04:05         CDR         Transfer ??? 15 to SHUTTLE           03:35-04:05         CREW CONFERENCE           03:35-04:05         CREW CONFERENCE           04:05-05:20         CDR, FE-2         MEAL           04:05-05:20         CDR, FE-2         MEAL / IMAX filming ops           05:20-06:20         FE-1         MEAL/ IMAX filming ops           06:20-07:20         FE-2         Replacement of closeout panel in A/L <td>23:25–23:30</td> <td>FE-1</td> <td>·</td>	23:25–23:30	FE-1	·
00:00-00:04         CDR         Maintenance of ??? on MCC go           00:05-01:05         FE-2         Physical exercise (TVIS)           00:05-01:35         FE-1         EVA dry run           01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:40-01:45         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:05-02:35         CDR         ??? 15: closeout           02:05-02:35         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-05:20         CDR, FE-2         MEAL           04:00-05:20         FE-1         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L	23:30–23:45	FE-1	Review of ADVASC decabling procedure
00:05-01:05         FE-2         Physical exercise (TVIS)           00:05-01:35         FE-1         EVA dry run           01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-05:20         EP-1         MEAL           04:05-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           06:25-07:20         FE-2         Delta file downlink prep           10:0	23:45–00:05	FE-1	ADVASC decabling
00:05-01:35         FE-1         EVA dry run           01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STB hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-05:20         CDR, FE-2         MEAL           04:05-05:20         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         FE-2         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:25-07:20         FE-2         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)	00:00-00:40	CDR	Maintenance of ??? on MCC go
01:00-01:25         FE-2         LAB payload status monitoring           01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-05:20         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-07:20         FE-1         A/L IV hatch opening           06:25-07:20         FE-2         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (CEVIS) </td <td>00:05–01:05</td> <td>FE-2</td> <td>Physical exercise (TVIS)</td>	00:05–01:05	FE-2	Physical exercise (TVIS)
01:00-02:00         CDR         Physical exercise (TVIS+cycle)           01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2           MEAL         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           06:25-07:20         FE-1         Physical exercise (TVIS+cycle)           09:05-10:35         CDR         Physical exercise (RED)           10:05-11:35         FE-2         Delta file downlink prep           10:10-11:10         FE-1         BO	00:05–01:35	FE-1	EVA dry run
01:35-02:55         FE-2         Replacement of closeout panel in A/L           01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:25-07:20         FE-1         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         BONNER BALL: status check           11:05-11:35         CDR         Report prep	01:00-01:25	FE-2	LAB payload status monitoring
01:35-01:40         FE-1         A/L IV hatch closing           01:40-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:25-07:20         FE-2         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         BONNER BALL: status check           11:05-11:35         CDR         Report prep           11:30-11:35         FE-1         Voice conference (IMAX 3D)           11:35-11:5	01:00-02:00	CDR	Physical exercise (TVIS+cycle)
01:40-01:45         FE-1         NODE1 STBD hatch opening           01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2           MEAL         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:30-11:35         FE-1         Voice conference (IMAX 3D)	01:35–02:55	FE-2	Replacement of closeout panel in A/L
01:45-03:05         FE-1         Physical exercise (RED)           02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:05-11:35         FE-1         Voice conference (IMAX 3D)           11:35-11:50         Daily planning conference	01:35–01:40	FE-1	A/L IV hatch closing
02:05-02:35         CDR         ??? 15: closeout           02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:05-11:35         FE-1         Voice conference (IMAX 3D)           11:35-11:50         Daily planning conference	01:40-01:45	FE-1	NODE1 STBD hatch opening
02:35-03:05         CDR         Transfer ??? 15 to SHUTTLE           03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:05-11:35         CDR         Report prep           11:35-11:50         Daily planning conference	01:45-03:05	FE-1	Physical exercise (RED)
03:05-03:35         CREW CONFERENCE           03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-07:20         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           06:25-07:20         FE-1         Physical exercise (TVIS+cycle)           09:05-10:35         CDR         Physical exercise (RED)           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:05-11:35         CDR         Report prep           11:30-11:35         FE-1         Voice conference (IMAX 3D)           11:35-11:50         Daily planning conference	02:05-02:35	CDR	??? 15: closeout
03:35-04:05         CREW PHOTO           04:05-05:20         CDR, FE-2         MEAL           04:05-04:10         FE-1         Removing cover from A/L MPEV           04:10-05:20         FE-1         MEAL/ IMAX filming ops           05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           06:25-07:20         FE-1         Physical exercise (TVIS+cycle)           09:05-10:35         CDR         Physical exercise (RED)           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:05-11:35         CDR         Report prep           11:35-11:50         Daily planning conference	02:35-03:05	CDR	Transfer ??? 15 to SHUTTLE
04:05–05:20         CDR, FE-2         MEAL           04:05–04:10         FE-1         Removing cover from A/L MPEV           04:10–05:20         FE-1         MEAL/ IMAX filming ops           05:20–06:20         Review of EVA procedure           06:20–06:25         FE-1         A/L IV hatch opening           06:20–07:20         FE-2         Replacement of closeout panel in A/L           06:25–07:20         FE-1         Physical exercise (TVIS+cycle)           09:05–10:35         CDR         Physical exercise (RED)           09:45–10:05         FE-2         Delta file downlink prep           10:05–11:35         FE-2         Physical exercise (RED)           10:10–11:10         FE-1         Physical exercise (CEVIS)           11:10–11:30         FE-1         BONNER BALL: status check           11:35–11:35         CDR         Report prep           11:35–11:50         Daily planning conference	03:05-03:35		CREW CONFERENCE
04:05–04:10         FE-1         Removing cover from A/L MPEV           04:10–05:20         FE-1         MEAL/ IMAX filming ops           05:20–06:20         Review of EVA procedure           06:20–06:25         FE-1         A/L IV hatch opening           06:20–07:20         FE-2         Replacement of closeout panel in A/L           06:25–07:20         FE-1         Physical exercise (TVIS+cycle)           09:05–10:35         CDR         Physical exercise (TVIS+cycle)           09:45–10:05         FE-2         Delta file downlink prep           10:05–11:35         FE-2         Physical exercise (RED)           10:10–11:10         FE-1         Physical exercise (CEVIS)           11:10–11:30         FE-1         BONNER BALL: status check           11:05–11:35         CDR         Report prep           11:30–11:35         FE-1         Voice conference (IMAX 3D)           11:35–11:50         Daily planning conference	03:35–04:05		CREW PHOTO
04:10–05:20         FE-1         MEAL/ IMAX filming ops           05:20–06:20         Review of EVA procedure           06:20–06:25         FE-1         A/L IV hatch opening           06:20–07:20         FE-2         Replacement of closeout panel in A/L           06:25–07:20         FE-1         Physical exercise (TVIS+cycle)           09:05–10:35         CDR         Physical exercise (TVIS+cycle)           09:45–10:05         FE-2         Delta file downlink prep           10:05–11:35         FE-2         Physical exercise (RED)           10:10–11:10         FE-1         Physical exercise (CEVIS)           11:10–11:30         FE-1         BONNER BALL: status check           11:05–11:35         CDR         Report prep           11:30–11:35         FE-1         Voice conference (IMAX 3D)           11:35–11:50         Daily planning conference	04:05–05:20	CDR, FE-2	MEAL
05:20-06:20         Review of EVA procedure           06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           06:25-07:20         FE-1         Physical exercise (TVIS+cycle)           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:05-11:35         CDR         Report prep           11:30-11:35         FE-1         Voice conference (IMAX 3D)           11:35-11:50         Daily planning conference	04:05–04:10	FE-1	Removing cover from A/L MPEV
06:20-06:25         FE-1         A/L IV hatch opening           06:20-07:20         FE-2         Replacement of closeout panel in A/L           06:25-07:20         FE-1         Physical exercise (TVIS+cycle)           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:05-11:35         CDR         Report prep           11:30-11:35         FE-1         Voice conference (IMAX 3D)           11:35-11:50         Daily planning conference	04:10-05:20	FE-1	MEAL/ IMAX filming ops
06:20-07:20         FE-2         Replacement of closeout panel in A/L           06:25-07:20         FE-1         Replacement of closeout panel in A/L           09:05-10:35         CDR         Physical exercise (TVIS+cycle)           09:45-10:05         FE-2         Delta file downlink prep           10:05-11:35         FE-2         Physical exercise (RED)           10:10-11:10         FE-1         Physical exercise (CEVIS)           11:10-11:30         FE-1         BONNER BALL: status check           11:05-11:35         CDR         Report prep           11:30-11:35         FE-1         Voice conference (IMAX 3D)           11:35-11:50         Daily planning conference	05:20-06:20		Review of EVA procedure
Replacement of closeout panel in A/L	06:20-06:25	FE-1	A/L IV hatch opening
06:25–07:20         FE-1           09:05–10:35         CDR         Physical exercise (TVIS+cycle)           09:45–10:05         FE-2         Delta file downlink prep           10:05–11:35         FE-2         Physical exercise (RED)           10:10–11:10         FE-1         Physical exercise (CEVIS)           11:10–11:30         FE-1         BONNER BALL: status check           11:05–11:35         CDR         Report prep           11:30–11:35         FE-1         Voice conference (IMAX 3D)           11:35–11:50         Daily planning conference	06:20-07:20	FE-2	Replacement of closeout panel in A/L
09:45–10:05         FE-2         Delta file downlink prep           10:05–11:35         FE-2         Physical exercise (RED)           10:10–11:10         FE-1         Physical exercise (CEVIS)           11:10–11:30         FE-1         BONNER BALL: status check           11:05–11:35         CDR         Report prep           11:30–11:35         FE-1         Voice conference (IMAX 3D)           11:35–11:50         Daily planning conference	06:25-07:20	FE-1	
10:05–11:35         FE-2         Physical exercise (RED)           10:10–11:10         FE-1         Physical exercise (CEVIS)           11:10–11:30         FE-1         BONNER BALL: status check           11:05–11:35         CDR         Report prep           11:30–11:35         FE-1         Voice conference (IMAX 3D)           11:35–11:50         Daily planning conference	09:05–10:35	CDR	Physical exercise (TVIS+cycle)
10:10–11:10         FE-1         Physical exercise (CEVIS)           11:10–11:30         FE-1         BONNER BALL: status check           11:05–11:35         CDR         Report prep           11:30–11:35         FE-1         Voice conference (IMAX 3D)           11:35–11:50         Daily planning conference	09:45–10:05	FE-2	Delta file downlink prep
11:10–11:30         FE-1         BONNER BALL: status check           11:05–11:35         CDR         Report prep           11:30–11:35         FE-1         Voice conference (IMAX 3D)           11:35–11:50         Daily planning conference	10:05–11:35	FE-2	Physical exercise (RED)
11:05–11:35         CDR         Report prep           11:30–11:35         FE-1         Voice conference (IMAX 3D)           11:35–11:50         Daily planning conference	10:10–11:10	FE-1	Physical exercise (CEVIS)
11:30–11:35 FE-1 Voice conference (IMAX 3D) 11:35–11:50 Daily planning conference	11:10–11:30	FE-1	BONNER BALL: status check
11:35–11:50 Daily planning conference	11:05–11:35	CDR	Report prep
	11:30–11:35	FE-1	Voice conference (IMAX 3D)
11:50–12:15 DINNER	11:35–11:50		Daily planning conference
	11:50–12:15		DINNER

12:15–12:35	Daily food ration prep
12:35–13:05	Personal hygiene (pre-sleep)
13:05–21:05	SLEEP

Note: See OSTP for references to US activities.

End of radiogram